



TELEFAX

CLAIM AMENDMENT

1.(currently amended (three times)) A method of updating radio network data in a plurality of devices deployed within a Base Station (BS), the BS being located in a radio telecommunications network, said method comprising the steps of:

interfacing the BS with a Mobile Switching Center (MSC) through an Internet Protocol (IP) packet data network;

assigning the BS an IP address valid on the IP packet data network;

sending device update data from the MSC to the BS in an IP message with the IP address over the IP packet data network;

receiving the IP message at the BS from the MSC;  
and

updating at least one of the plurality of devices by the BS using the device update data from the IP message wherein the at least one of the plurality of devices is identified by means of the IP message.

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2.(original) The method of updating radio network data of claim 1 wherein the step of sending device update data from the MSC to the BS in an IP message includes sending the device update data in an IP multicast message, and the method further comprises, prior to assigning the BS an IP address, the step of joining the BS in a multicast group.

3.(original) The method of updating radio network data of claim 2 wherein the step of sending device update data from the MSC to the BS in an IP message includes sending the device data to a multicast group address that comprises a multicast group designation, a device data type for the device update data, and a Base Station Identification (BSID).

4. - 5.(cancelled)

6.(original) The method of updating radio network data of claim 2 wherein the step of joining the BS in a multicast group includes the step of joining the BS in a plurality of multicast groups, each of said multicast groups receiving a different type of device update data.

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7. (original) The method of updating radio network data of claim 6 wherein the step of joining the BS in a plurality of multicast groups includes the steps of:

joining the BS in a first multicast group that receives device update data for Digital Control Channels (DCCHs); and

joining the BS in a second multicast group that receives device update data for Digital Traffic Channels (DTCs).

8. (previously amended) The method of updating radio network data of claim 1 further comprising, before the step of updating at least one of the plurality of devices by the BS, the step of determining whether the devices are to be updated immediately or at a specified time.

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9. (previously amended) The method of updating radio network data of claim 1 wherein the step of updating at least one of the plurality of devices by the BS includes the steps of:

identifying which ones of the plurality of devices in the BS the device update is directed to; and updating the identified plurality of devices.

10. (cancelled)

11. (previously amended) The method of updating radio network data of claim 1 further comprising the step of assigning the BS to monitor a User Datagram Protocol (UDP) port for device update data.

12. - 13. (cancelled)

14. (currently amended (three times)) The method of updating radio network data of claim 1 wherein the step of assigning the BS an IP address further comprises assigning each of the devices deployed within the BS an IP address and wherein the step of sending device update data from the MSC to the BS in an IP message with the IP address further includes sending the device update data in the IP message with the IP address to each of the plurality of devices over the IP packet data network.

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15. - 16.(cancelled)

17. - 20.(previously cancelled)

21.(currently amended(three times)) An Internet Protocol (IP) Base Station (BS) in a radio telecommunications network, said BS comprising:  
a plurality of radio network devices deployed therewithin;

a signaling mechanism for receiving IP messages containing an IP address assigned to the BSC and  
containing device update data from a Mobile Switching Center (MSC) through an IP packet data network; and

means within the BS for updating at least one of the plurality of devices with the device update data wherein the at least one of the plurality of devices is identified by means of the IP messages.

22.(original) The IP Base Station of claim 21 wherein the signaling mechanism receives IP multicast messages that contain device update data.

23.(original) The IP Base Station of claim 21 wherein the signaling mechanism includes at least one User Datagram Protocol (UDP) port for monitoring IP broadcast messages containing device update data.

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